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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/826,320	04/03/2001	Gary Liu	10664-147001	4156

26181 7590 08/17/2005

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EXAMINER
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ELISCA, PIERRE E

ART UNIT	PAPER NUMBER
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3621

DATE MAILED: 08/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/826,320

Applicant(s)

LIU, GARY

Examiner

Pierre E. Elisca

Art Unit

3621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 28 February 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-19, 22-32 and 36-51 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-19, 24-32 and 36-51 is/are rejected.
- 7) ☒ Claim(s) 22 and 23 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

### DETAILED ACTION

1. This office action is in response to Applicant's amendment, filed on 02/28/2005.
2. Claims 1-19, 22-32, and 36-51 are pending.

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-21 and 24-51 are rejected under 35 U.S.C. 103(a) as being unpatentable overby Al-Salqan (U.S. Pat. No. 6,549,626) in view of Spies et al US RE 38,070 E.

As per claims 1, 4-19, 24-32, and 36-51 Al-Salqan discloses a key such as a private key or key password of a private key is encrypted for storage, and may be decrypted if the private key becomes lost or unavailable. The key is encrypted by encoding, for example, by using hashing, private information, and the result is used as a key to encrypted the private key DES, comprising:

encrypted a message using a symmetric key to generate an encrypted message (see., abstract, col 2, lines 49-64, col 1, lines 29-38, specifically wherein it is stated that a message transmitted from sender to recipient may be symmetrically encrypted); sending the encrypted message to an intended recipient without making the symmetric key immediately accessible to the intended recipient (see., abstract, col 2, lines 49-64, col 1, lines 29-38, specifically asymmetric encryption or private/public keys); providing the symmetric key to a third party (see., col 1, lines 51-67, specifically wherein said a trusted party known as a certificate authority issues a certificate which allows third parties to verify the identity of the principal, please note that principal or private/public keys or symmetric key or DES); and if the intended recipient signs and returns to the third party, transferring by the third party, and providing the symmetric key to the intended recipient (see., abstract, col 1, lines 29-38, and lines 51-67, specifically wherein it is stated that a trusted party known as a certificate authority issues a certificate which allows third parties to verify the identity of the principal, please note that principal or private/public keys or symmetric key or DES, and abstract, specifically wherein said to decrypt the key recovery file, the private key corresponding to the public key used to encrypt the key recovery file is used to decrypt the key recovery file. The result is symmetrically decrypted using a key obtained by encoding).

During the interview conducted on 02/22/2005, Applicant argues that the prior art of record (Al-Salqan) fails to disclose "a receipt that includes a representation of the encrypted message". However, Spies discloses a trust authority (or third party) for for

Art Unit: 3621

generating a purchase receipt 342, digitally signs the receipt, and encrypts it using the purchaser's public key exchange key (see., abstract, col 5, lines 66 and 67, col 6, lines 1-16, col 26, lines 1-12, col 29, lines 37-49).

As per claim 2, Al-Salqan discloses the claimed method wherein the receipt signed by the recipient contains an identifier computed from the message and the symmetric key using cryptographically secure hash functions (see., col 1, lines 50-67, col 4, lines 47-67).

As per claim 3, Al-Salqan discloses a key such as a private key or key password of a private key is encrypted for storage, and may be decrypted if the private key becomes lost or unavailable. The key is encrypted by encoding, for example, by using hashing, private information, and the result is used as a key to encrypted the private key DES, comprising:

at the sender, encrypted a message using a symmetric key, encrypting the symmetric key to make the symmetric key accessible to a third party but not immediately accessible to an intended recipient and sending the encrypted message and the encrypted symmetric key to the intended recipient (see., abstract, col 2, lines 49-64, col 1, lines 29-38, specifically wherein it is stated that a message transmitted from sender to recipient may be symmetrically encrypted);

at the recipient, including a representation of the encrypted message (see., abstract, col 2, lines 49-64, col 1, lines 29-38, specifically asymmetric encryption or private/public keys);

at the third party, providing the symmetric key to the intended recipient (see., col 1, lines 51-67, specifically wherein said a trusted party known as a certificate authority issues a certificate which allows third parties to verify the identity of the principal, please note that principal or private/public keys or symmetric key or DES, see., abstract, col 1, lines 29-38, and lines 51-67, specifically wherein it is stated that a trusted party known as a certificate authority issues a certificate which allows third parties to verify the identity of the principal, please note that principal or private/public keys or symmetric key or DES, and abstract, specifically wherein said to decrypt the key recovery file, the private key corresponding to the public key used to encrypt the key recovery file is used to decrypt the key recovery file. The result is symmetrically decrypted using a key obtained by encoding).

During the interview conducted on 02/22/2005, Applicant argues that the prior art of record (Al-Salqan) fails to disclose "a receipt that includes a representation of the encrypted message". However, Spies discloses a trust authority (or third party) for for generating a purchase receipt 342, digitally signs the receipt, and encrypts it using the purchaser's public key exchange key (see., abstract, col 5, lines 66 and 67, col 6, lines 1-16, col 26, lines 1-12, col 29, lines 37-49).

***Allowable Subject Matter***

5. Claims 22 and 23 are allowed over the prior art of record.

**Conclusion**

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pierre E. Elisca whose telephone number is 571 272 6706. The examiner can normally be reached on 6:30 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Trammell can be reached on 571 272 6712. The fax phone number for the organization where this application or proceeding is assigned is 571 273 8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
**Pierre Eddy Elisca**

**Primary Patent Examiner**

**August 12, 2005**